

Product datasheet for **MC222450**

Tbck (NM_001163455) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbck (NM_001163455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbck
Synonyms:	1700120J03Rik; 9430001M19; A630047E20Rik; C030007I09Rik; Tbckl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222450 representing NM_001163455
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTCCTCTGAAGGATGCTGAGATGGGCGCCTTACCTTCTTTGCCTCTGCTCTCCACATGATGTTT
 GTGGAAGCAACGGACTTCTCTCACACCAAATTCATCAAAATCTTAGGTCGCTTCAAATCCTTAAGAC
 CATCACCCACCCAGACTGTGCCAATATGTGGATATTTCTAGGGGAAAGCATGAAAGACTGGTGGTGGTG
 GCGGAGCACTGTGAGCGCAGTTTGAAGACCTTACGAGAAAGGAAGCCTGTGAGTCATTCAACAGTTC
 TGTGCATAGCATATGAGGTACTTGAGGGCTTACATTACTTGAACAAGCATGGCATAGTACACCGGCCCTT
 GTCTCCCATAATATCCTGTTGGATCGGAAGGGCCATATAAACTGGCTAAATTTGGACTTTATCACATG
 ACAGCCCATGGTATGATGTTGATTTCCAATAGGGTATCCCTCATACCTGGCACCTGAGGTAATTGCAC
 AAGGAATCCCAAACACTACTGATCATGTCCAAGTAAAAACCATTGCCTTCTGGCCCCAAATCAGATGT
 ATGGTCTCTTGGGATAATTTTATTTGAGCTTTGTGTGGGAGAAAATGTTTCAGAGCTTGGATGTTTCT
 GAAAGAGTAAAAATTTTGTCTACTTTGGGCTGTGTAGATGATACTATAATAGTTCTCGCTGAGGAGCATG
 GGTGTCTGGACATTATCAAGGAGCTTCTGAAAATGTGATAAATATTTTGAAGAAGTGCCTCACCTTCCA
 TCCCTTAAGAGGCCAACCCAGATGAGTTAATGAAGGACCAGGTGTTCAAGTGAAGTGCACCTTTATAC
 ACCCCCTTTATCAAACCTGCCAGTCTGTTTTCACTTCTCTGAGATGCGCTGATCTAACTCGCTGAGG
 ATATCAGTGACTTGTGTAAGATATAGACAATGATTACCTGGCAGAGAGATCTATTGAGGAAGTTTACTA
 CCTTTGGTGTTTGGCTGGAGGGGACCTGGAAAAGGAGCTTATAACAAGGAAATATTGCTCCAAGCCA
 CCTGTCTGCACACTCCCGAATTTTCTCTTTGAAGATGGAGAAAGTTTGGACAAGGTCGAGATAGAAGCT
 CACTCTTAGATGACACCACAGTCACGTTGTCTTTGTGCCAGCTAAGAAACAGATTAAGAATGTTGGTGG
 AGAAGCGTTTTACCCATTGCTGGAGGATGACCAGTCAAATTTGCCACATTCAAACAGCAATAATGAGTTG
 TCTGCAGCTGCTACCCTGCCTTTAATCATCAGAGAGAGGGATACAGAATATCAGCTCAACAGGATTATTC
 TCTTTGACAGGCTGTTGAAGGCTTACCCATACAAAAAAATCAAATCTGGAAAGAAGCAAGGTTGACAT
 CCCTCCACTTATGAGAGGTTAACCTGGGCTGCTCTTCTGGGAGTTGAGGGAGCTATTCATGCCAAGTAT
 GACGCCATTGACAAAGACACTCCGATTCCTACAGATAGACAAATTGAGGTAGACATCCCTCGCTGCATC
 AGTATGACGAGCTGTTGTATCACCAGAAGGCCATGCAAAGTCCGGCGTGTACTGAAAGCCTGGTGGT
 TTCTCATCTGATCTTGTACTGGCAAGGCTTGACTCACTCTGTGCTCCATTCTGTATCTAAATTTT
 AACAAATGAAGCCTTGGCATAATGCGTGCATGTCTGCTTTTATTCCCAAATACCTGTATAACTTCTTCTTGA
 AGGACAACCTCATGTAATACAAGAGTACCTGACCGTGTCTCCAGATGATCGCCTTCCATGATCCAGA
 GCTGAGTAATCACCTCAACGAGATTGGCTTCAATCCCGATCTCTACGCCATCCCTTGGTTTCTCACCATG
 TTTACTCATGATTTCCACTGCACAAAATTTCCACCTCTGGGATACATTACTGCTCGGAAATTCCTCTT
 TCCCATTTCTGCATTGGAGTAGCCATCCTCCAGCAGCTGCGGGACCGTCTTTTGGCCAATGGCTTCAATGA
 ATGCATCCTTCTCTCTGACTTACCAGAAATGACATTGAACGCTGCGTACGTGAGTCGGTCAATCTG
 TTTTGTGGACTCCTAAAAGTGCTACATACAGACAGCATGCTCAGCCTCCAAAGCCAGCCTCGGAGAGCA
 GTGTAGTGCGAAGCTCAGCGCCTTACTTCTGCTGAGGTACAGATCCTCCAAAGACAGACCTGTCAAG
 AGAATCCATCCCTTAAAGTGACCTGAAATCAGAAGTATCACCCCGGATTTGAGCAGAGGACCTGATCGAT
 TTGTGTGAGTACAGTGACAGGCCACTTCAAACCCCCACCAAGAAAACCAAGTCCAGTAAACCAAAGC
 TCTGGTGGTGGACATCCGAAACAGTGAGGACTTCGTTCCGGGGCACATTGCAGGAGCATCAACATCCC
 ATTCAGCGCAGCGTTACGGCAGAAGGAGAGCTCAGCCAAGGCCCTTACACCACCATGCTGCACAACTTC
 AAGGGGAAAGTCAATTGTGGTTGTAGGCCAGTGGCTAAGCAAACAGCTGAGTTTGCAGCTCATCTGGTGA
 AGATGAAATACCCAAGAGTCTGCATTCTAGATGGCGCATTAAACAAGATCAGGCCAACAGGCCTCTCAC
 GGTCCCTCTCTCAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001163455

Insert Size:	2682 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001163455.2</u> , <u>NP_001156927.1</u>
RefSeq Size:	6578 bp
RefSeq ORF:	2682 bp
Locus ID:	271981
UniProt ID:	<u>Q8BM85</u>
Cytogenetics:	3 G3
Gene Summary:	Involved in the modulation of mTOR signaling and expression of mTOR complex components. Involved in the regulation of cell proliferation and growth. Involved in the control of actin-cytoskeleton organization.[UniProtKB/Swiss-Prot Function]